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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,770	09/10/2003	Changhwe Choi	2557-000108/US	3911
30593	7590 05/02/2006		EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C.			FATAHI YAR, MAHMOUD	
P.O. BOX 89 RESTON, V			ART UNIT	PAPER NUMBER
,			2629	
			DATE MAILED: 05/02/2000	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Author O	10/658,770	CHOI ET AL.	į
Office Action Summary	Examiner	Art Unit	•
	Mike Fatahiyar	2629 ·	1
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet w	ith the correspondence address -	•
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin	NATE OF THIS COMMUNI 136(a). In no event, however, may a will apply and will expire SIX (6) MO e, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communica BANDONED (35 U.S.C. § 133).	:
earned patent term adjustment. See 37 CFR 1.704(b).	:		•
Status			
1) Responsive to communication(s) filed on 29 J	anuary 2004.	:	· · · · · · · · · · · · · · · · · · ·
	s action is non-final.	· · · · · · · · · · · · · · · · · · ·	:
3) Since this application is in condition for allowa	ince except for formal mat	ters, prosecution as to the merits	is
closed in accordance with the practice under		• •	•
			,
Disposition of Claims	;	:	1
4)⊠ Claim(s) <u>1-29</u> is/are pending in the application	1.		•
4a) Of the above claim(s) is/are withdra	wn from consideration.		
5) Claim(s) is/are allowed.	•		
6)⊠ Claim(s) <u>1,8,9,11,13-15,22-24,28 and 29</u> is/ar	e rejected.		
7) Claim(s) <u>2-7,10,12,16-21 and 25-27</u> is/are obj	ected to.		
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers	!		
9) The specification is objected to by the Examine	er. ;		
10)⊠ The drawing(s) filed on 10 September 2003 is/		objected to by the Examiner.	
Applicant may not request that any objection to the	· · ·	The state of the s	
Replacement drawing sheet(s) including the correct			1(d).
11) The oath or declaration is objected to by the E	•	•	1
Priority under 35 U.S.C. § 119	4		:
•	· · · · · · · · · · · · · · · · · · ·	0 440(-) (-l) - (0)	i
12) Acknowledgment is made of a claim for foreigra) All b) Some * c) None of:	n priority under 35 U.S.C.	§ 119(a)-(d) or (t).	;
 Certified copies of the priority document 	ts have been received.		
2. Certified copies of the priority document	ts have been received in A	Application No	
3. Copies of the certified copies of the prior	ority documents have beer	received in this National Stage	:
application from the International Burea	u (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list	of the certified copies not	received.	;
	1		
	•		
Attachment(s)	,	•	
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	į
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 		(s)/Mail Date Informal Patent Application (PTO-152)	•
Paper No(s)/Mail Date	6) Other:		

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DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1, 8-9, 11, 13-15, 22-24 and 28-29 are rejected under 35 U.S.C. 102(e) as being anticipated by Jeong et al(6,717,468B1).

Jeong et al disclose a high slew rate amplifying circuit for a TFT-type of LCD system comprising an LCD panel(100), a plurality of source drivers(130) connected to the panel, each of the source drivers including an output buffer; each output buffer including an operational amplifier(see figure 4), a pull-up transistor(MO12), a pull-down transistor(MO11), a control circuit(MO4, MO7), a high-part amplifying sub-circuit(MO1, MO2, MO3, MO5), a low-part amplifying sub-circuit(MO6, MO8, MO9, MO10) wherein the low part and the high part amplifying circuits have voltage follower configuration including a plurality of transistors which all function as claimed.

- 3. Claims 2-7, 10, 12, 16-21 and 25-27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Imai et al, Itakura et al, Akita et al, Tamagawa, Fukuo, Griffin,

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Kim, Chung and Hector et al are made of record to show various types of output amplifier circuits for enhancing slew rate of the amplifier output signal.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Fatahiyar whose telephone number is (571)272-7688. The examiner can normally be reached on Monday-Friday from 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M. Fatahiyar

April 29, 2006

RICHARD HJERPE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600